PGPUB-DOCUMENT-NUMBER: 20030065844

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030065844 A1

TITLE: Method for improving processor performance

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME RULE-47	CITY	STATE	COUNTRY
Lester, Robert A.	Tomball	TX	US
Chin, Kenneth T.	Cypress	TX	US
Blocker, Jim	Cypress	TX	US
Larson, John E.	Houston	TX	US
Jones, Phillip M.	Spring	TX	US
Rawlins, Paul B.	Spring	TX	US

US-CL-CURRENT: 710/107

ABSTRACT:

Methods for improving processor performance. Specifically, by reducing some of
the latency cycles within a host controller, request processing speed can be
improved. One technique for improving processing speed involves initiating a
deferred reply transaction before the data is available from a memory
controller. A second technique involves anticipating the need to transition
from a block next request (BNR) state to a bus priority request (BPRI) state,
thereby eliminating the need to wait for a request check to determine if the
BPRI state must be implemented.

---------- KWIC ---------

INVENTOR - INNM (5):
    Jones, Phillip M.

L Number	Hits	Search Text	DB	Time stamp
1	1288	snoop$3 same coherenc$3 same memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:40
2	113	711/$.ccls. and 710/$.ccls. and (snoop$3 same coherenc$3 same memory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:40
3	161	1.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:40
4	10	1.ti,ab. and (711/$.ccls. and 710/$.ccls. and (snoop$3 same coherenc$3 same memory))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 13:53
5	2	search$3 same post$3 same writeback$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:04
6	35	next adj snoop$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:04
7	2	(post$3 same writeback$1) same (next adj snoop$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:05
8	43	future with snoop$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:11
9	9	(snoop$3 same coherenc$3 same memory) same (future with snoop$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:05
10	1	(future with snoop$3) same (post$3 near3 writeback$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:18
11	1	reorder$3 same (post$3 near3 writeback$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:12
12	5	order$3 same (post$3 near3 writeback$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:12
13	2	snoop$3 same (post$3 near3 writeback$1) same (parallel or simultaneous$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:19
14	18	snoop$3 same (writeback$1) same (parallel or simultaneous$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/04 14:33